

FIGURE 1

NORMAL/LFA-1 DEFICIENT CELL ADHESION

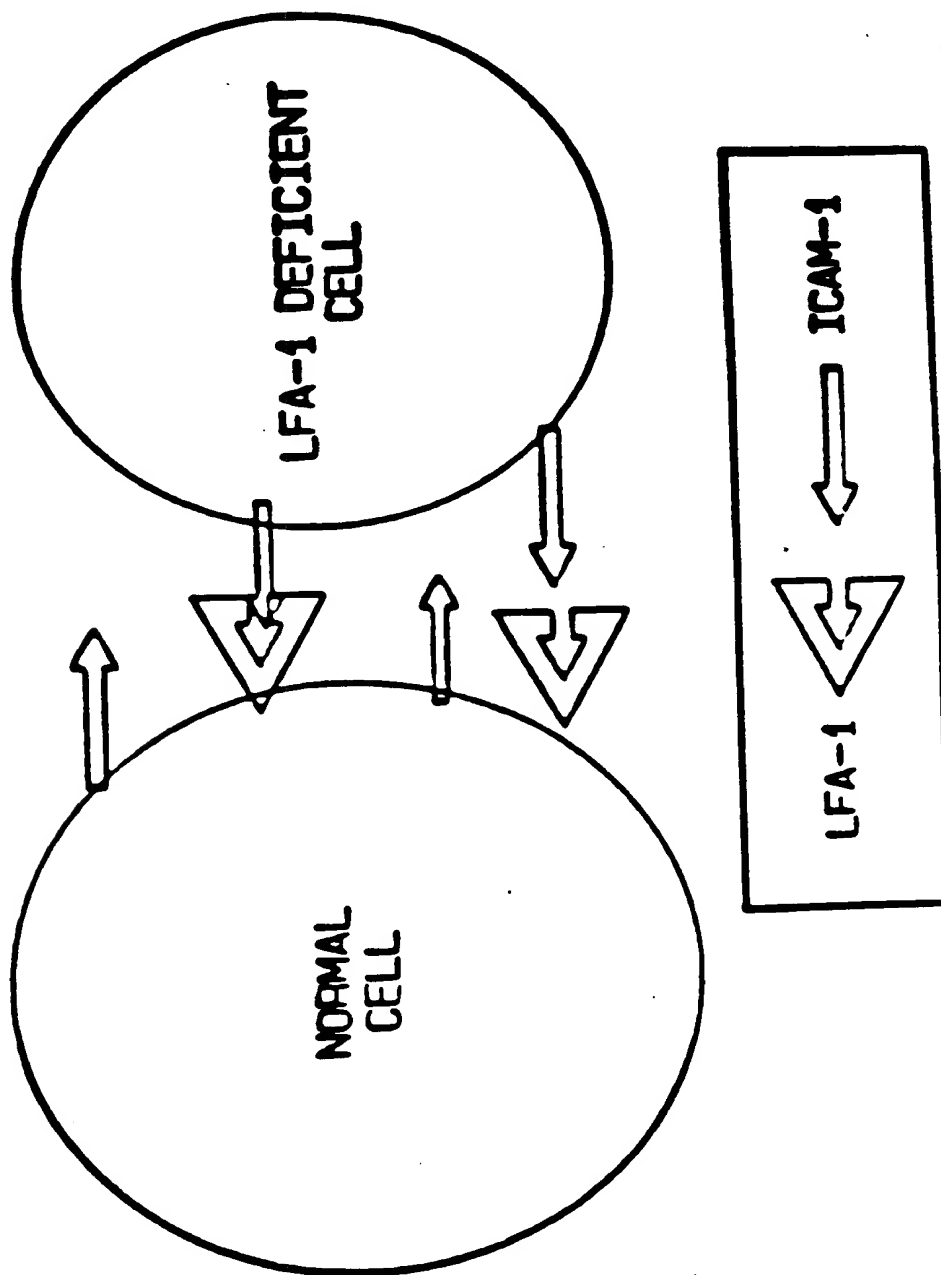
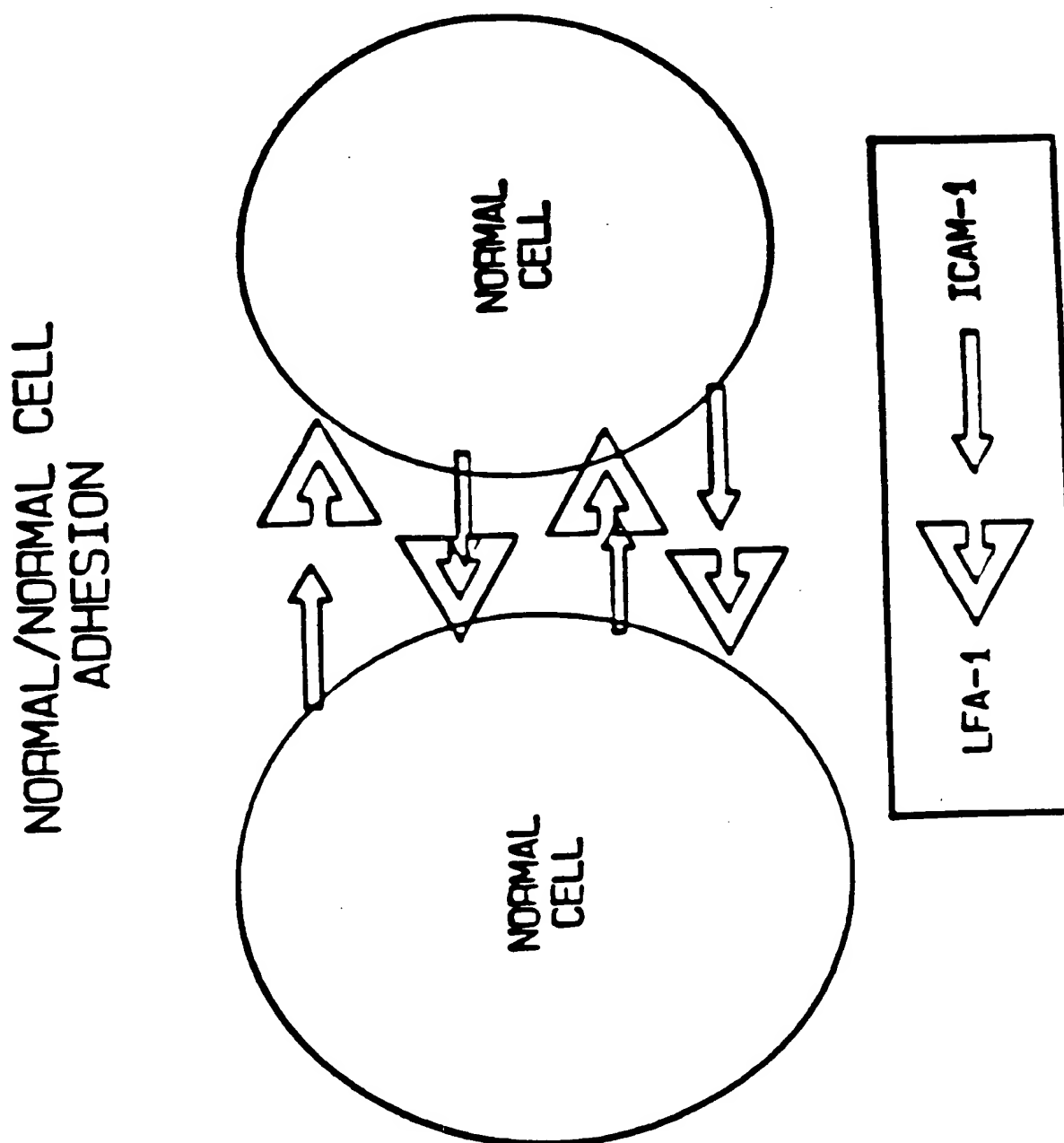


FIGURE 2



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FIGURE 3

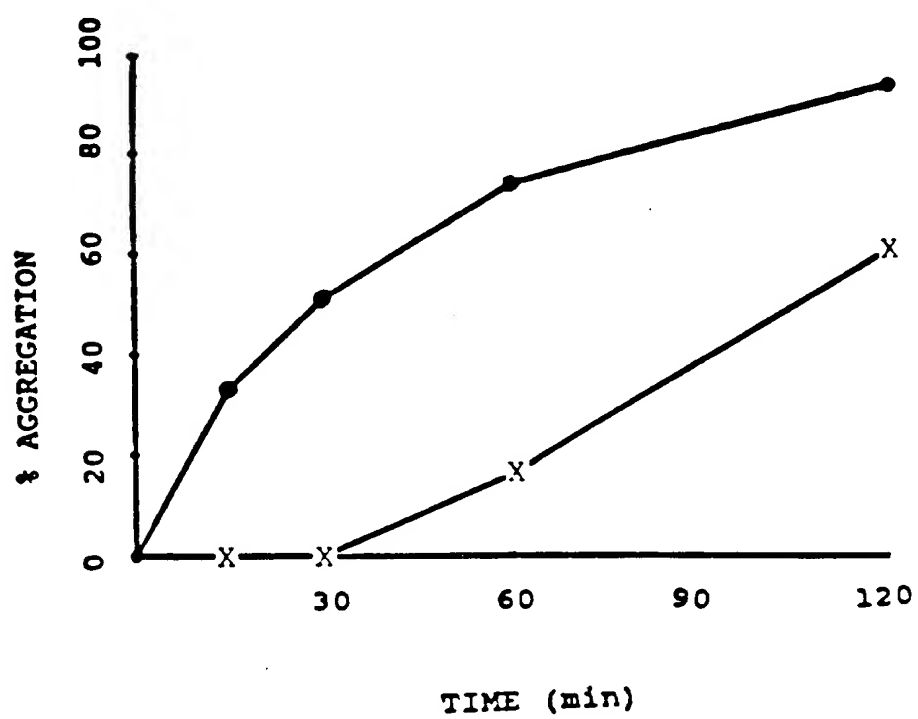
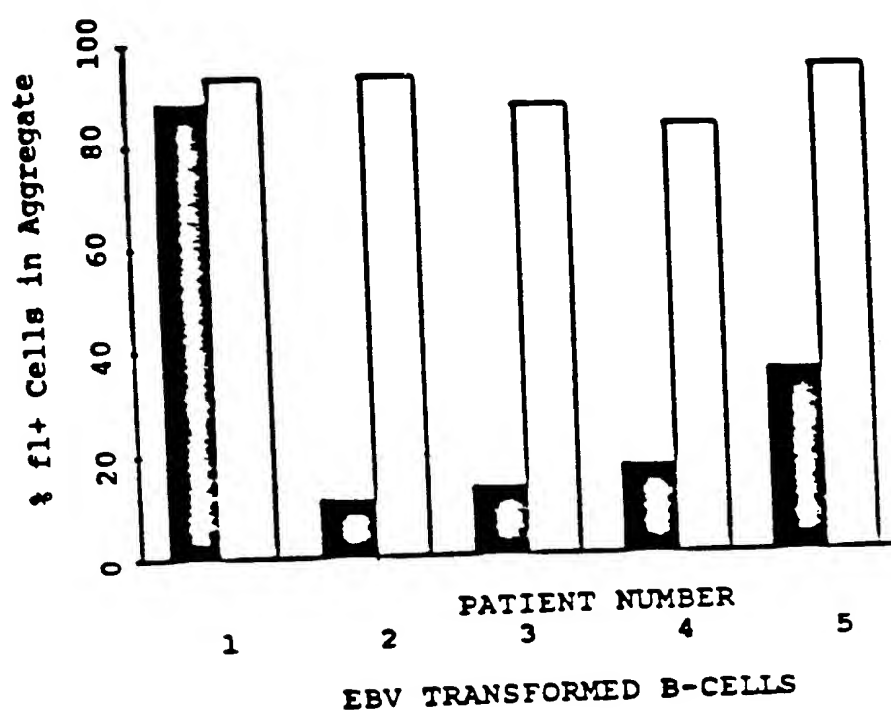


FIGURE 4



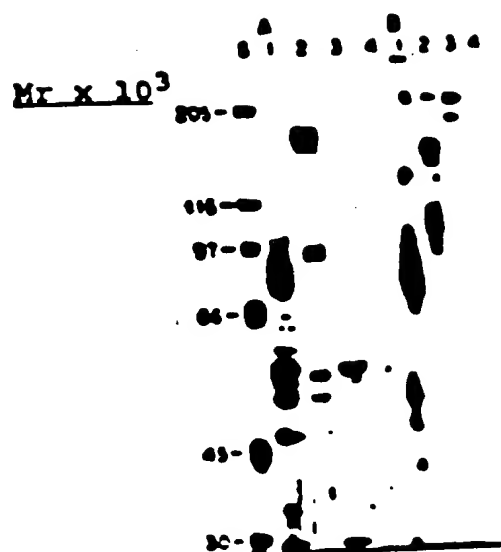


FIGURE 5

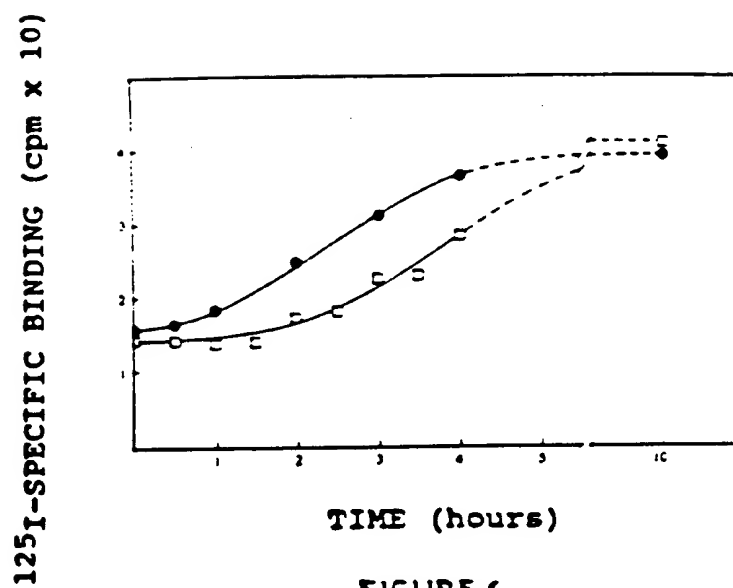


FIGURE 6

FIGURE 7

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^{125}I -SPECIFIC BINDING ($\text{CPM} \times 10^{-3}$)

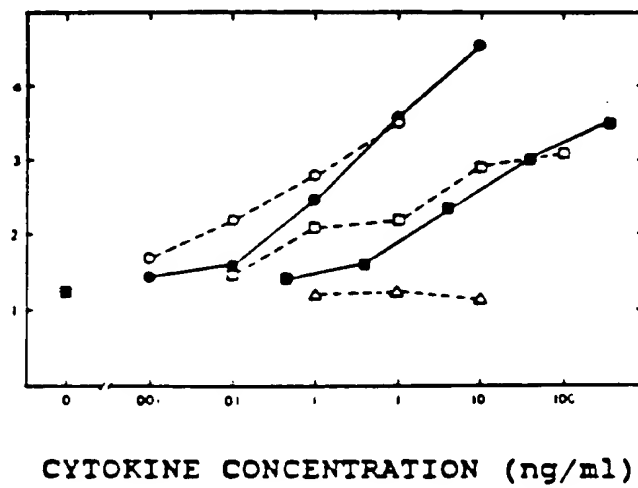


Figure 8

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M A P S S P R P A L P A L L V L L G A L F P G P G N A Q T S 3

GTG TCC CCG TCA AAA GTC ATC CTG CCG CCG GGA GGC TCC GTG CTG GTG ACA TCC AGC AOC TCC TGT GAC CAG CCG AAG TTG TTG GGC ATA 237
V S P S K V I L P R G G S V L V T C S T S C D Q P K L L G I 33

GAG ACC CCG TTG CTT AAA AAG GAG TTG CTC CTG CTT GGG AAC AAC CCG AAG GTG TAT GAA CTG AGC AAT GTG CAA GAA GAT AGC CAA CCA 327
E T P L P K K E L L L P G N N R K V Y E L S N V Q E D S Q P 63

ATG TCC TAT TCA AAC TCC CTT GAT GGG CAG TCA ACA CTT AAA ACC TTC CTC ACC GTG TAC TGG ACT CCA GAA CCG GTG GAA CTG GCA CCG 417
M C Y S N C P D G Q S T A K T F L T V Y W T P E R V E L A P 93

CTC CCG TCT TGG CAG CCA GTG GGC AAG AAC CTT ACC CTA CCG TCC CAG GTG GAG GGT GGG GCA CCG CCG GGC AAC CTC ACC GTG GTG CTG 507
L P S W Q P V G K N L T L R C Q V E G G A P R A N L T V V L 123

CTC CTT GGG CAG AAG GAG CTG AAA CCG GAG CCA CTT GTG GGG GAG CCG CTT GAG GTC AGC ACC AGC GTG CTG GTG AGC AGA GAT CAC CAT 597
L R G E K E L K R E P A V G E P A E V T T T V L V R R D H H 153

GGA GGC AAT TTC TCC TCC CCG ACT GAA CTG GAC CTG CCG CCG CAA GGG CTG GAG CTG TTT GAG AAC ACC TCC GGC CCG TAC CAG CTC CAG 687
G A N F S C R T E L D L R P Q G L E L F E N T S A P Y Q L Q 183

AOC TTT GTC CTG CCA GCG ACT CCG CCA CAA CTT GTC AGC CCG CCG GTC CTA GAG GTG GAC AGC CAG GGG AOC GTG GTC TGT TCC CTG GAC 777
T F V L P A T P P Q L V S P R V L E V D T Q G T V V C S L D 213

GGG CTG TTC CCA GTC TGG GAG GGC CAG GTC CAC CTG GCA CTG GGG GAC CAG AGC TTG AAC CCG ACA GTC AOC TAT GGC AAC GAC TCC TTC 867
G L F P V S E A Q V H L A L G D Q R L N P T V T Y G N D S F 243

TOG GGC AAG GGC TCA GTC AGT GTG AOC GCA GAG GAC GAG GGC AOC CAG CCG CTG AGC TGT GCA GTA ATA CTG GGG AAC CAG AGC CAG GAG 957
S A K A S V S V T A E D E G T Q R L T C A V I L G N Q S Q E 273

ACA CTG CAG ACA GTG ACC ATC TAC AGC TTT CCG GCG CCG AAC GTG ATT CTG AGC AAG CCA GAG GTC TCA GAA GGG AOC GAG GTG ACA GTG 1047
T L Q T V T I Y S F P A P N V I L T K P E V S E G T E V T V 303

AAG TGT GAG GGC CAC CTT AGA GGC AAG GTG AGC CTG AAT GGG GTT CCA GGC CAG CCA CTG GGC CCG AGC GGC CAG CTC CTG CTG AAG GGC 1137
K C E A H P R A K V T L N G V P A Q P L G P R A Q L L L K A 333

AOC CCA GAG GAC AAC GGG CCG AGC TTC TCC TCC TCT GCA ACC CTG GAG GTG GGC GGC CAG CTT ATA CAC AAG AAC CAG ACC CCG GAG CTT 1227
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GCT TGG GGG AAC CCA TTG CCG GAG CTC AAG TGT CTA AAG GAT GGC ACT TTC CCA CTG CCG ATC GGG GAA TCA GTG ACT GTC ACT CCA GAT 1407
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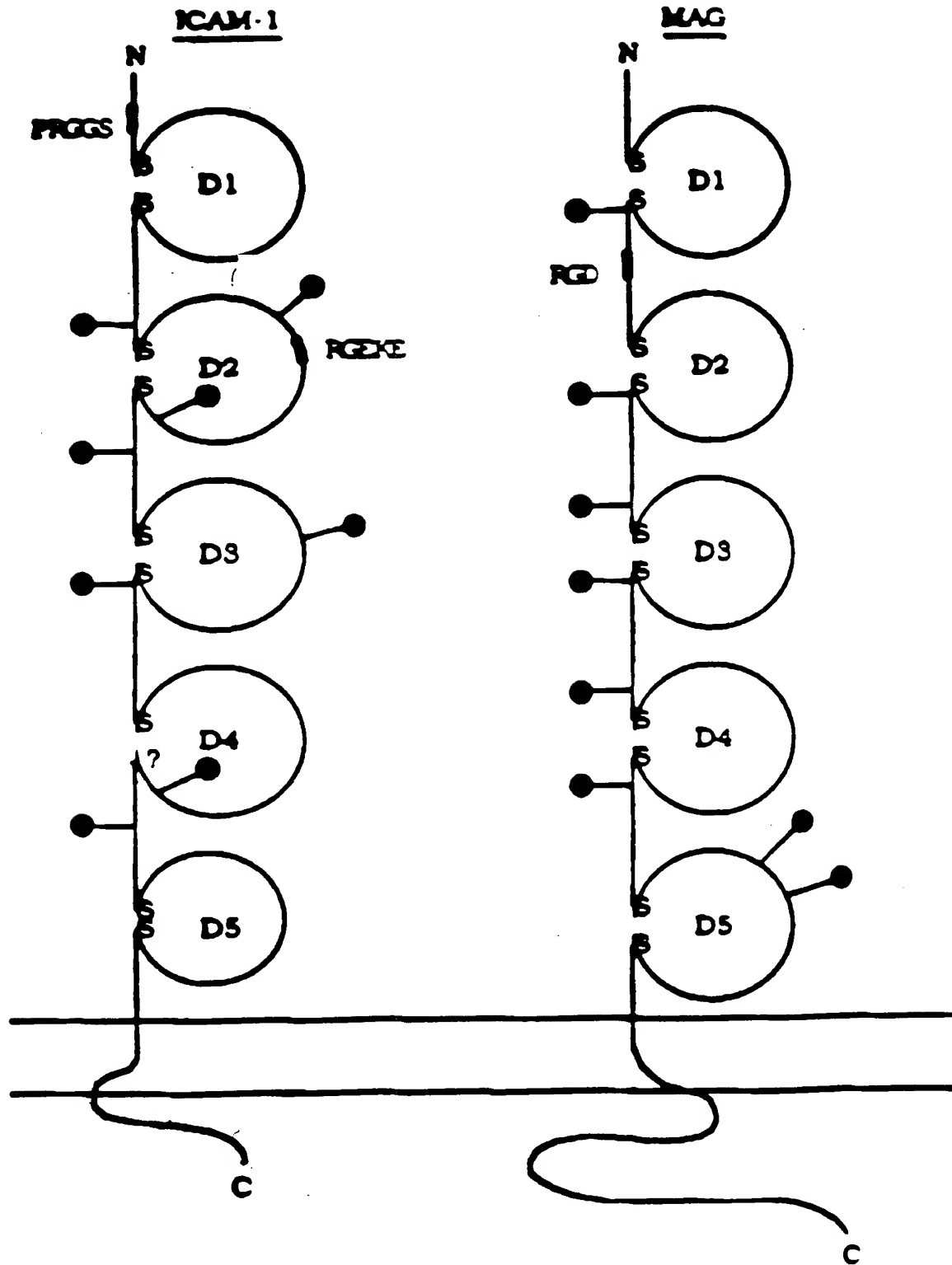
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AIT GTC ATC ATC ACT GTG GTA GCA GGC GCA GTC ATA ATG GGC ACT GCA GGC CTC AGC AGC TAC CTC TAT AAC CCG CAG CCG AAG ATC AAG 1587
I V I I T V V A A A V I M G T A G L S T Y L Y N R Q R K I K 483

AAA TAC AGA CTA CAA CAG GGC CAA AAA GGG AOC CCG ATG AAA CCG AAC ACA CAA GGC AGC CTT CCG TGA ACCTATCCGGGACAGGGGCTCTTCT 1683
K Y R L Q Q A Q K G T P M K P N T Q A T P P * 505

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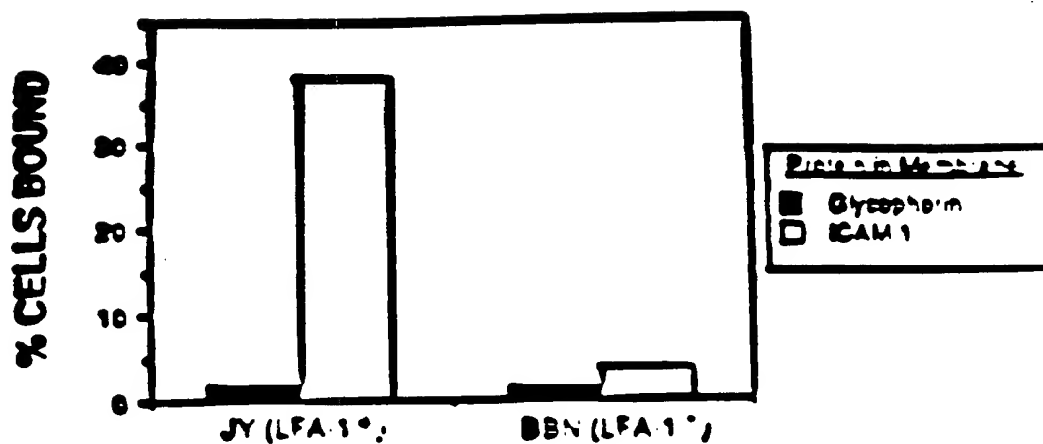


Figure 11 LFA-1 positive EBV-transformed B-lymphoblastoid cells bind to ICAM-1 in planar membranes.

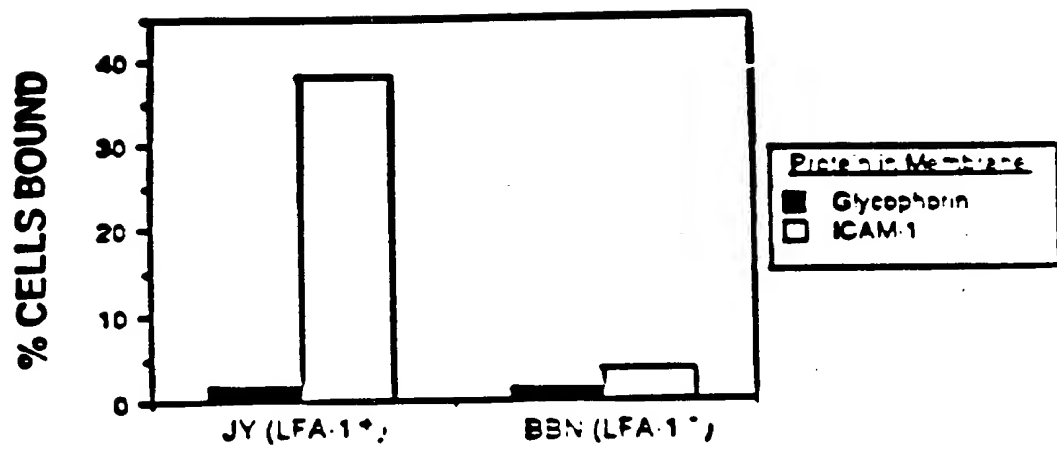


Figure 12 LFA-1 positive EBV-transformed B-lymphoblastoid cells bind to ICAM-1 in planar membranes.

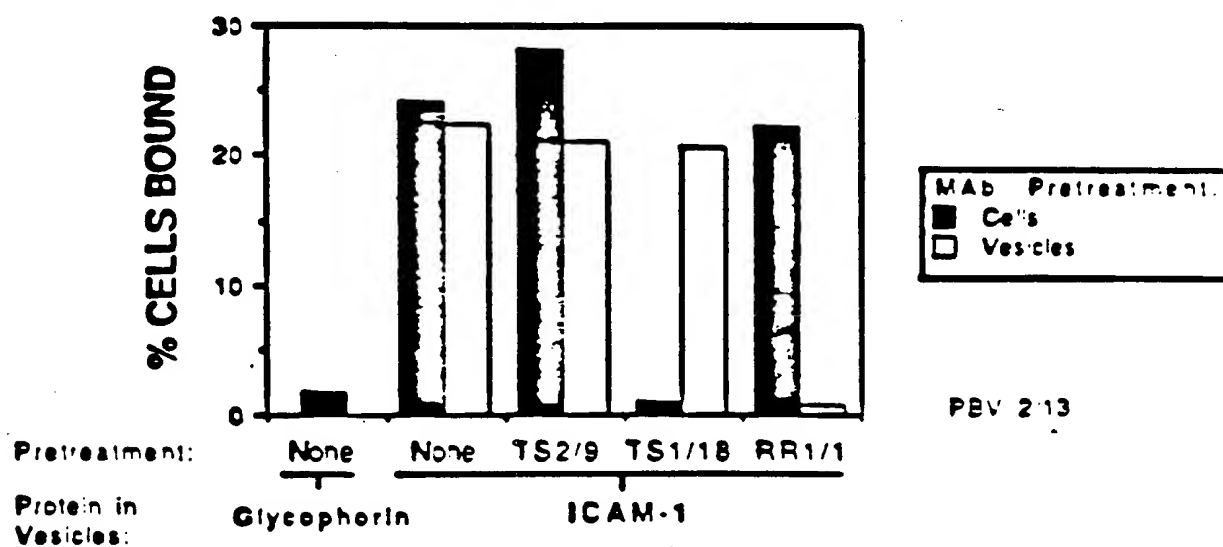


Figure 13 Inhibition of binding of JY B-lymphoblastoid cell binding to ICAM-1 in plastic-bound vesicles by pretreatment of cells or vesicles with monoclonal antibodies.

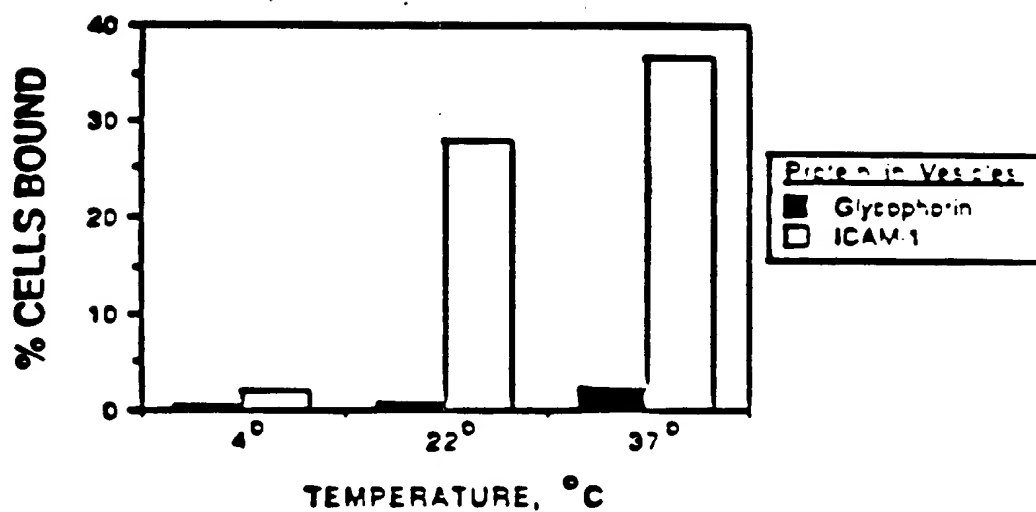


Figure 14 Effect of temperature on binding of T-lymphoblasts to ICAM-1 in plastic-bound vesicles.

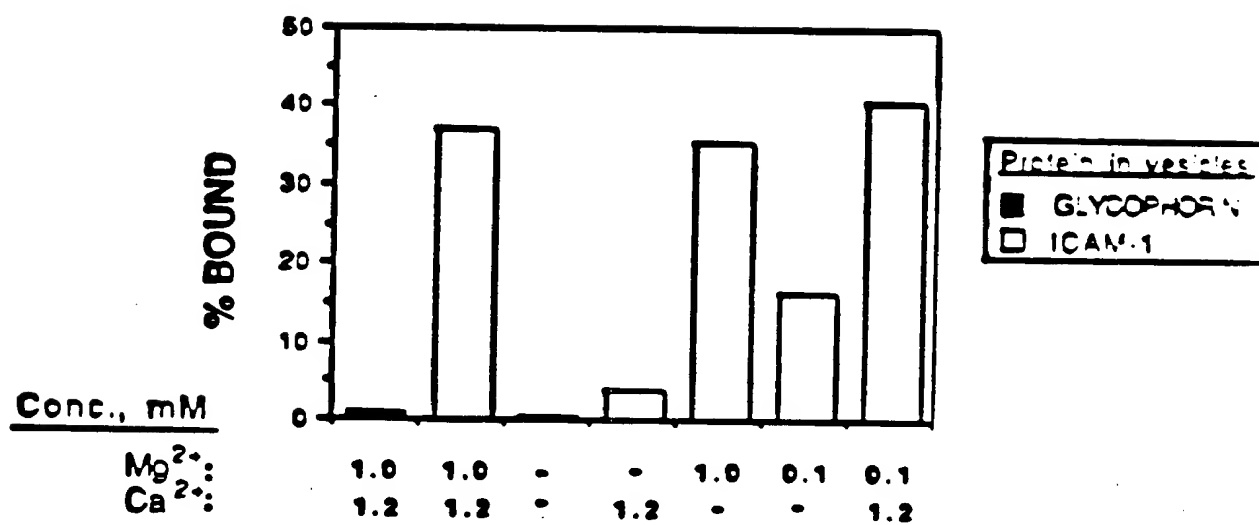
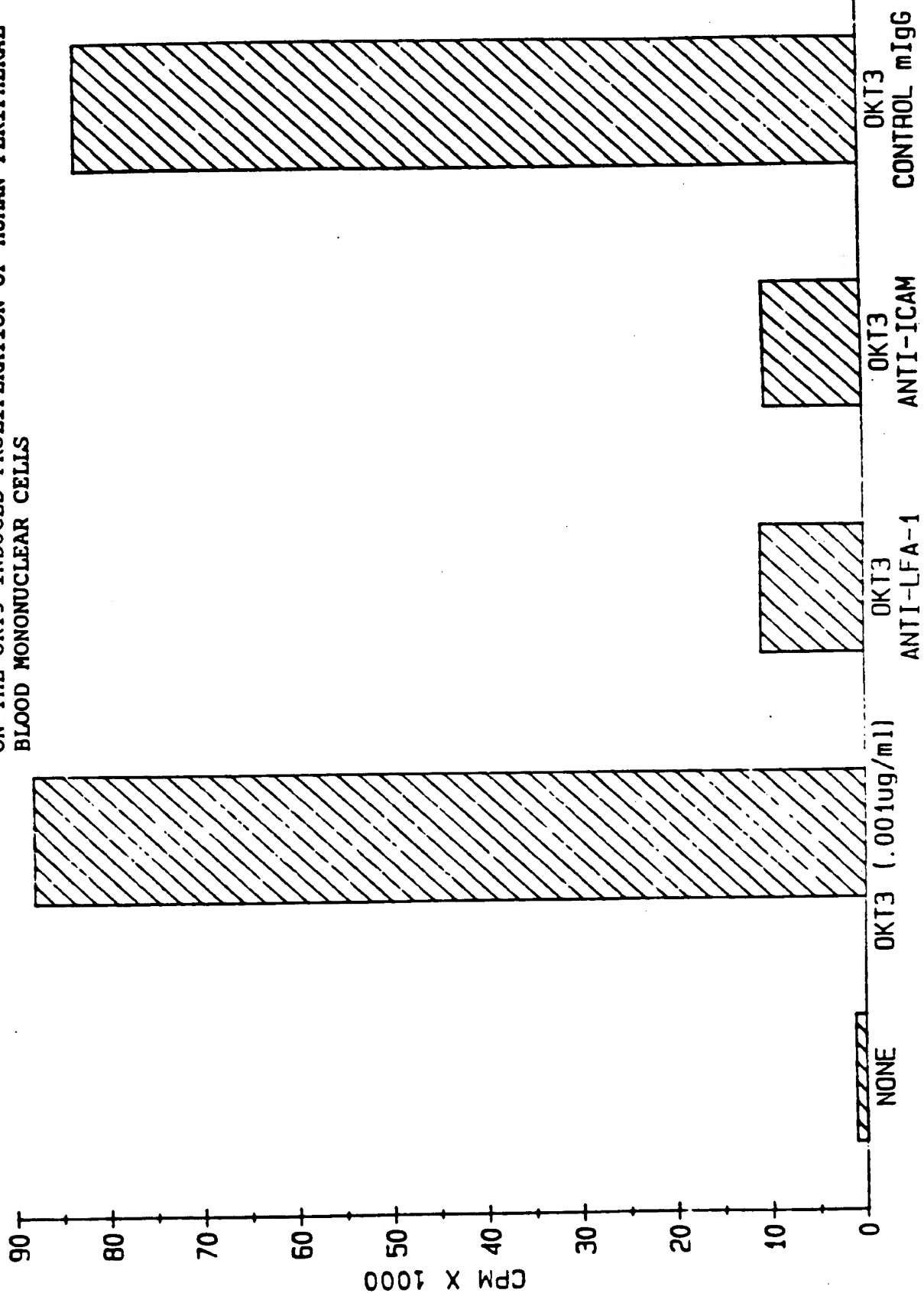


Figure 15 Divalent cation requirement for binding of T-lymphoblasts to ICAM-1 in plastic-bound vesicles.

FIGURE 16 THE EFFECT OF ANTI-ADHESION ANTIBODY
ON THE OKT3 INDUCED PROLIFERATION OF HUMAN PERIPHERAL
BLOOD MONONUCLEAR CELLS



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FIGURE 17 THE EFFECT OF ANTI-ADHESION ANTIBODY
ON THE CONCAVALIN A INDUCED PROLIFERATION OF HUMAN
PERIPHERAL BLOOD MONONUCLEAR CELLS

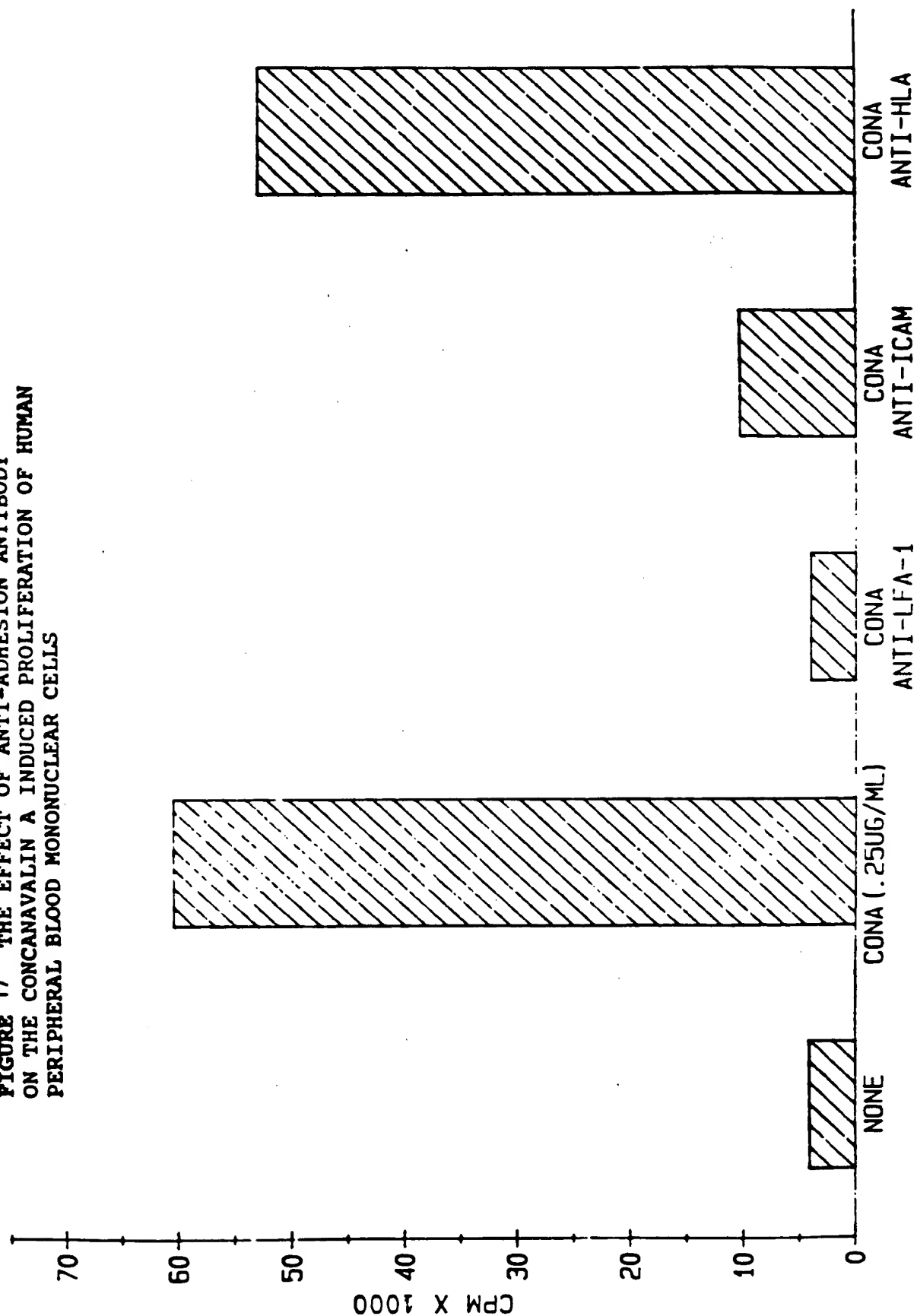
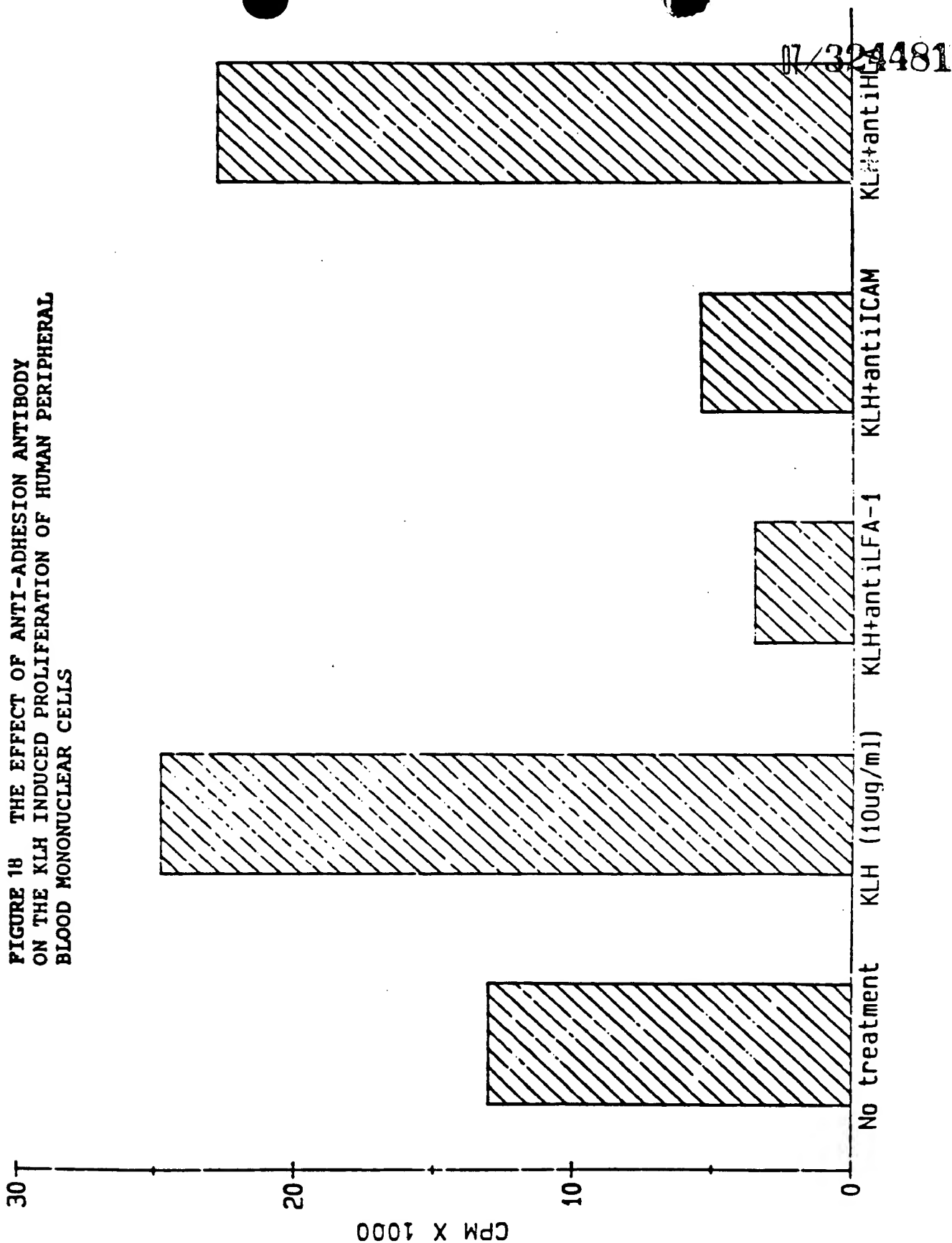
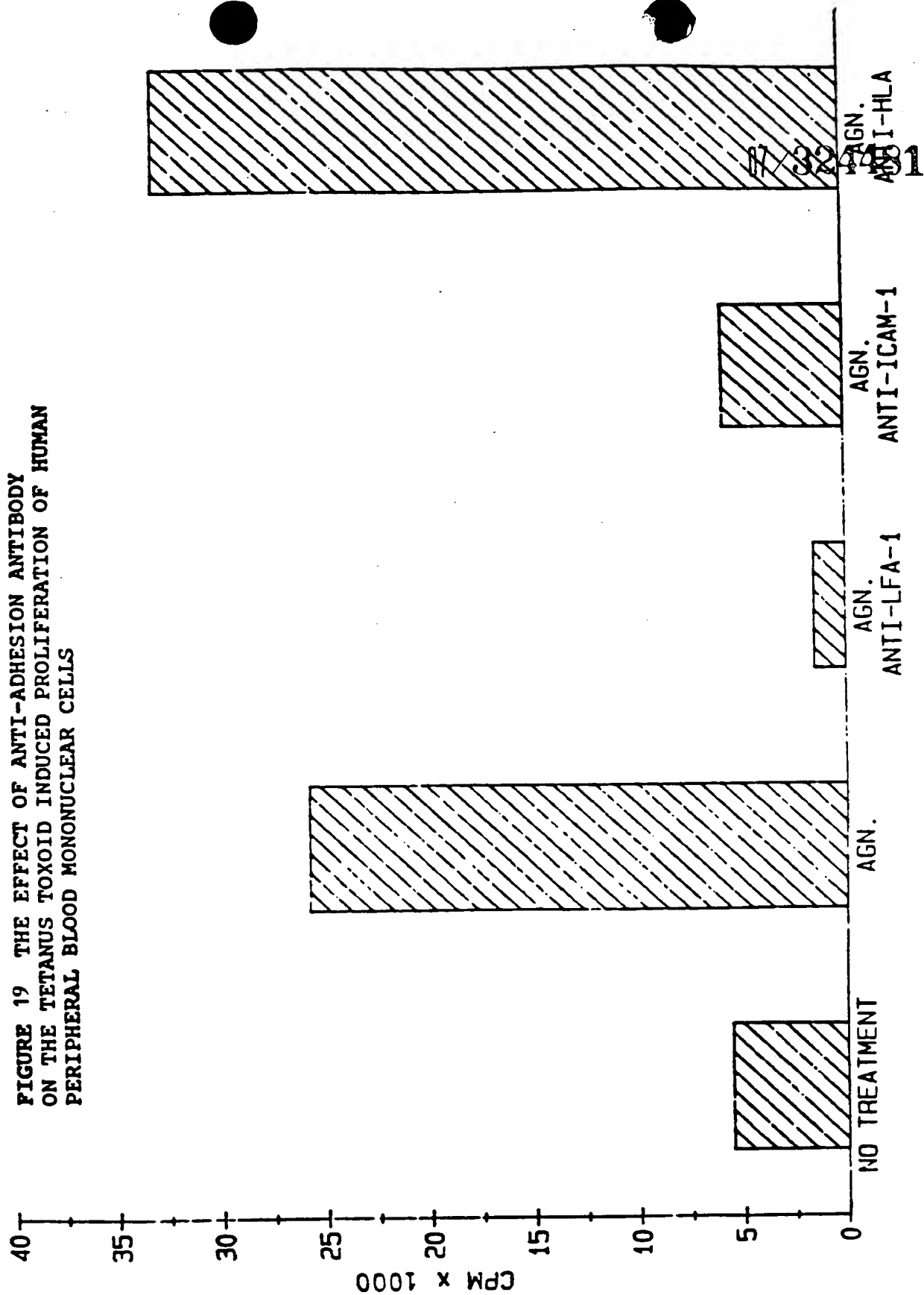


FIGURE 18 THE EFFECT OF ANTI-ADHESION ANTIBODY
ON THE KLH INDUCED PROLIFERATION OF HUMAN PERIPHERAL
BLOOD MONONUCLEAR CELLS



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**FIGURE 19 THE EFFECT OF ANTI-ADHESION ANTIBODY
ON THE TETANUS TOXOID INDUCED PROLIFERATION OF HUMAN
PERIPHERAL BLOOD MONONUCLEAR CELLS**



21
Figure ~~20~~

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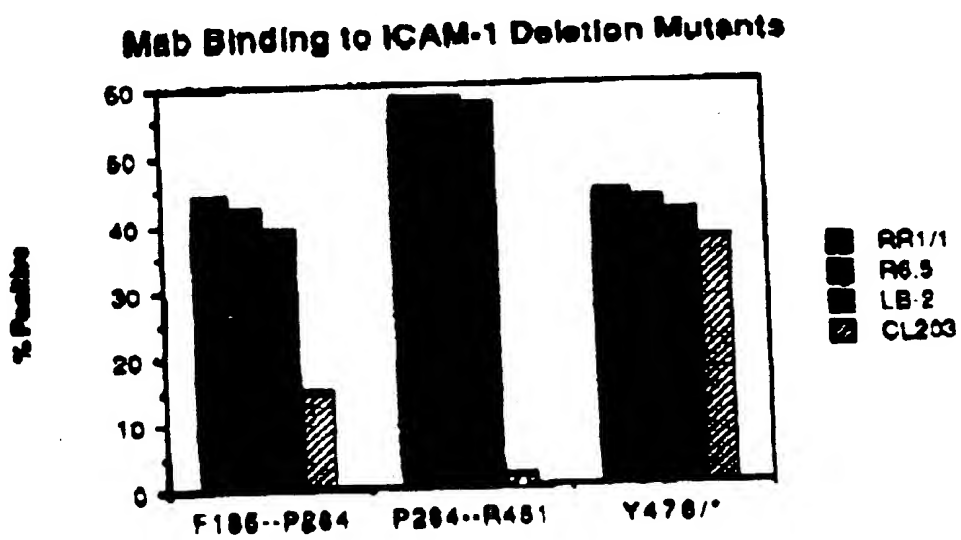


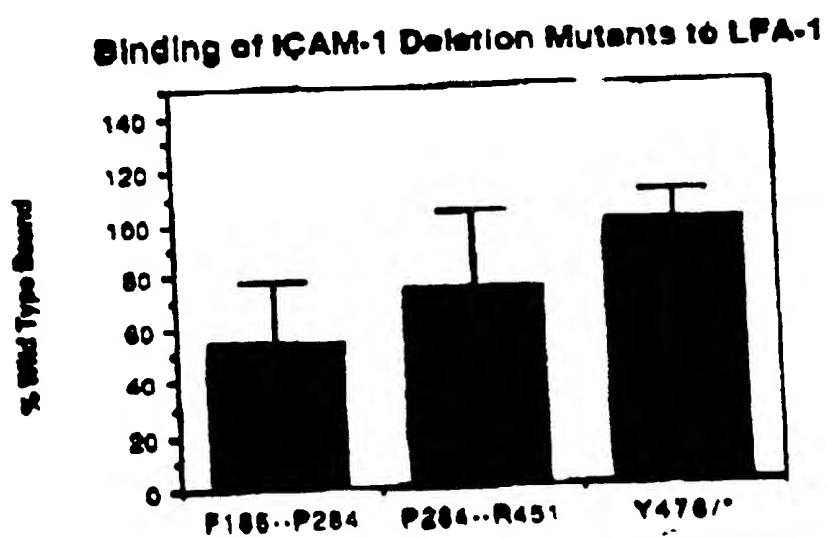
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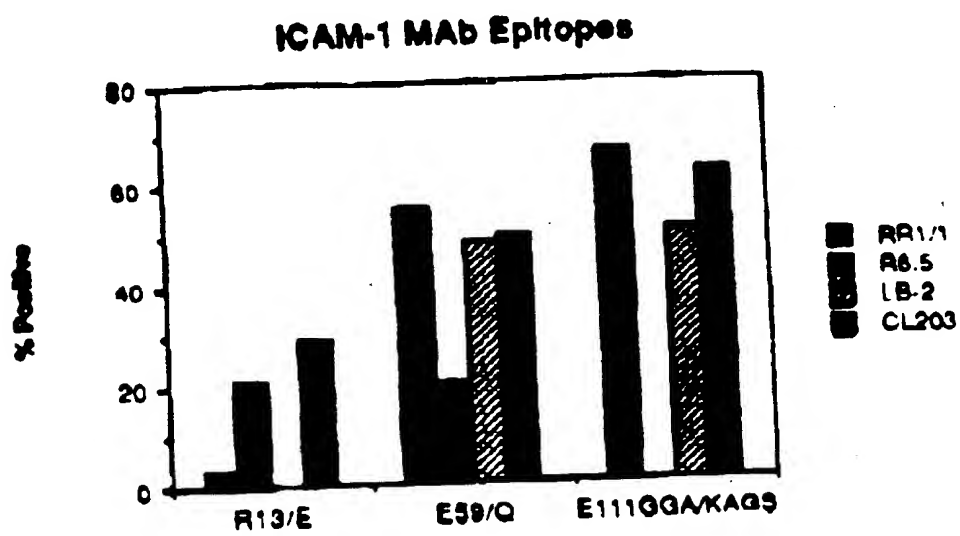
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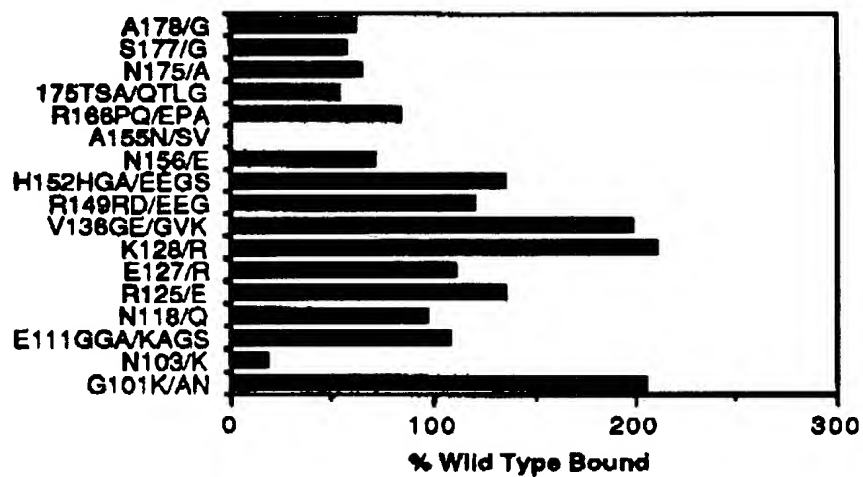
Figure ~~24~~ ~~25~~ ~~26~~ 24**Binding of ICAM-1 Domain 2 Mutants to LFA-1**

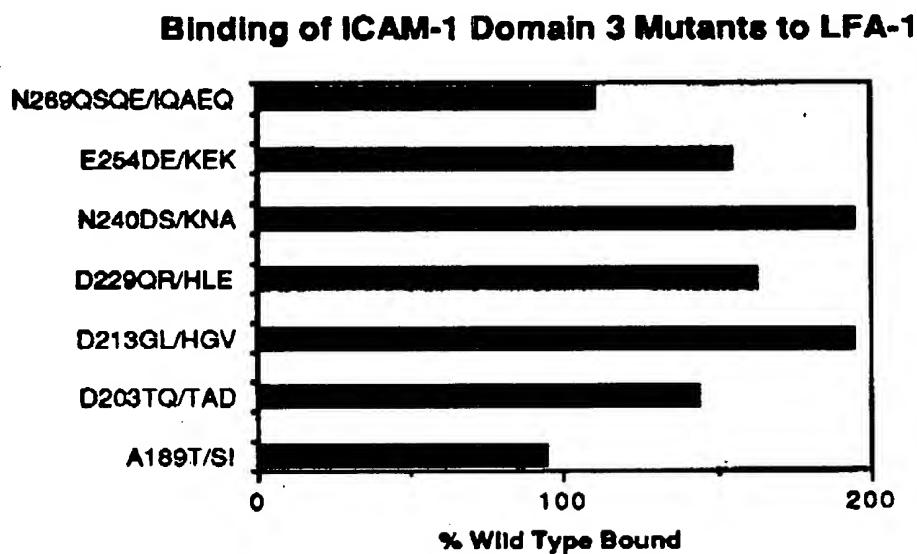
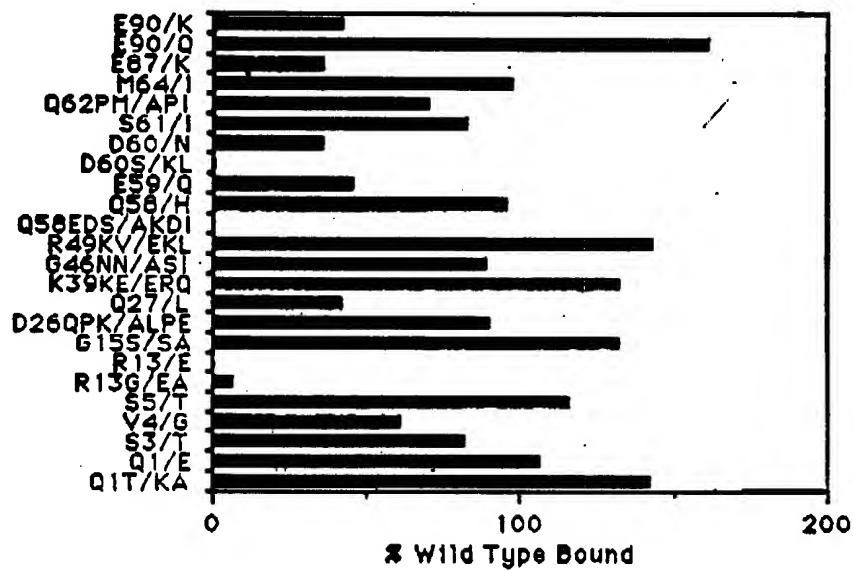
Figure ~~24~~ 25

Figure ~~26~~ ~~25~~ 26

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Binding of ICAM-1 Domain 1 Mutants to LFA-1



1-7

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K A

A G L

E A

E

SC

G N

A K D I

H

K L

N

NGEL

Figure ~~26~~ ~~27~~ 27